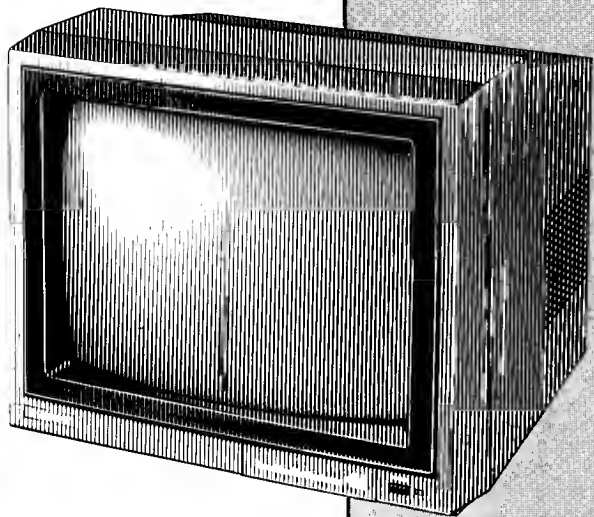


# PHILIPS

## COMPUTER MONITOR

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INSTRUCTION MANUAL  
INSTRUKTIONSHANDBUCH  
MANUEL D'INSTRUCTIONS  
INSTRUKTIEBOEK  
MANUALE D'ISTRUZIONE  
MANUAL DE INSTRUCCIONES

VS 0040/00

# PHILIPS



## Introduction

This monitor is designed for use as an alphanumeric and graphic screen with a Philips MSX computer.

This monitor is of course also suitable for use with every other home or personal computer.

The monitor screen is anti-reflective, thus giving optimal legibility. The monitor is fitted with a composite video signal input and an audio signal input.

See the technical specifications section for further information.

## Specially for UK

### Service for you

Your monitor has been designed and manufactured to the highest standards, and subject to rigorous testing. Provided it is properly operated and maintained it will perform well for many years.

However, we all know that in such complex equipment components can sometimes fail.

The legal responsibility for meeting any in-guarantee service needs for your receiver rests with the dealer from whom you bought it. Our own Service Division - Philips Service - provides your dealer with comprehensive technical advice, and distributes approved spare parts from Service Centres throughout the country. If your dealer has no service facilities, he can arrange for any work to be carried out by a competent third party organisation. In any event you may expect speedy attention to restore your set to full working order without delay.

### Free service for 12 months:

The dealer from whom the receiver was purchased will arrange for any defect in manufacture or material to be rectified without charge for a period of 12 months

from the date of initial consumer sale provided:

- (1) reasonable evidence is supplied that the set was purchased within 12 months prior to the date of claim
  - (2) the defect is not due to use of the set on an incorrect voltage or contrary to the Company's Operating Instructions or to accidental damage (whether in transit or otherwise) misuse; neglect; unauthorised or inexpert modification, or repair.
- The picture tube of your set is separately guaranteed for 12 months by Philips Service.

### Service after 12 months:

Continuing service after 12 months is available in the same way but the service will be chargeable.

These statements do not affect your statutory rights as a consumer.

### Connection to the mains supply

Your new monitor is designed to operate from an a.c.mains supply of 220 or 240 volts, 50 Hz. Stabilising circuits ensure satisfactory performance within normal supply variations.

#### IMPORTANT:

This apparatus must be earthed. This can be achieved by fitting a 3 pin plug. The wires in the mains lead are coloured according to the following code:

BLUE	= NEUTRAL
BROWN	= LIVE
GREEN/YELLOW	= EARTH

If the mains plug (or adaptor) contains a fuse, the value of this fuse should be 3 Amp. Alternatively, if another type of plug (not fused) is used, the fuse at the distribution board should not be greater than 5 Amp.

If the colours of the wires in the mains lead do not correspond with the coloured markings identifying the terminals in your plug, proceed as follows . . .

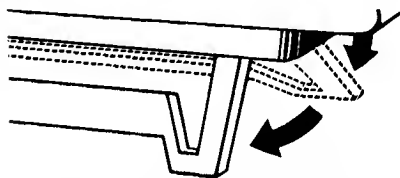
The BLUE wire should be connected to

the terminal marked 'N' or coloured black. The BROWN wire should be connected to the terminal marked 'L' or coloured red. The GREEN and YELLOW wire must be connected to the terminal in the plug marked by 'E' or the earth symbol  $\perp$ , or coloured green or green and yellow. Before replacing the plug cover, make certain that the cord grip is clamped over the sheath of the lead - not simply over the three wires.

### Positioning/Ventilation

In order to prevent overheating, ensure that the ventilation openings in the monitor are **not** covered. The monitor should not be placed near a source of heat.

### Movable support



You can tilt the monitor into a convenient position with regard to the computer by using the movable support.

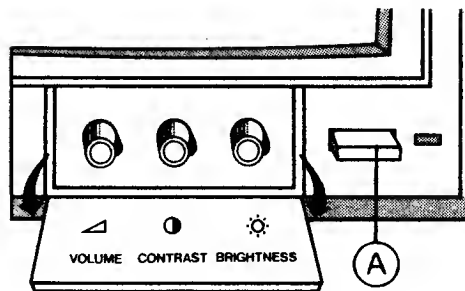
### Connection to the mains supply

The monitor should be connected to a mains voltage of 220 V/50 Hz (for U.K. 240 V/50 Hz). If your home has a different mains voltage, consult your dealer. When you put the plug into the wall socket, the mains voltage is transformed inside the monitor to a 12 V DC voltage. This is done before you switch the system on with the on/off button (A).

## Operation

### Switching on

- Press button (A) (LED lights up).



### Picture

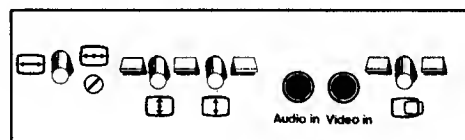
- Adjust brightness with knob
- Adjust contrast with knob

**N.B.** The image has been set correctly when the background is no longer visible and you can only see the characters.

### Sound (If available)

Adjust volume with knob

### Controls (rear panel)



- Image width can be adjusted with knob .
- With the help of a screwdriver control can be adjusted to straighten the image.
- If the image starts to slip, it can be stabilised with knob .
- You can adjust the image height with knob .
- You can move the image to the left or the right with knob .

### Connections (rear panel)

The monitor is fitted with two Phono sockets for audio and video input.

A connection cable type AV 7101 0001 is supplied with monitor VS 0040/00.

Using this cable, the Phono socket on the monitor can be connected to the DIN socket on the Philips MSX computer.

If you connect your monitor to a different home or personal computer, in most cases it will not be possible to use the connection cable supplied.

Connection cables for most types of home and personal computers are available from your dealer.

### General

- If the picture is not as desired, check whether all controls are in the correct position.
- If there is a bright white line on the screen, switch the monitor off and consult your dealer.
- The rear panel should only be removed by a service technician.
- If necessary, clean with a damp sponge. Do not use alcohol, spirits or ammonia.

## Technical specifications\*

### Picture tube

Type	: 12 inch, high resolution picture tube with anti-reflecting screen
Deflection	: 90°
Phosphor	: green P42, medium persistence

### Monitor input signals

1. Phono plug (video)	: composite video signal with negative synchronisation (1 V $\pm$ 0,5 Vpp). Impedance 75 Ohm.
2. Phono plug (audio)	: audio signal (100 mV - 2 Veff). Impedance 10 kOhm.

Video bandwidth	: > 20 MHz
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Resolution	: > 850 lines in centre
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Characters	: 2000 characters (80 characters x 25 lines)
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Line frequency	: 15625 Hz $\pm$ 600 Hz
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Raster frequency	: 50/60 Hz
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Sound output	: 0.3 W – 5% distortion
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Mains voltage	: 220 V AC/ $\pm$ 10% (or 240 V AC/ $\pm$ 10% for England)
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Power consumption	: 30 W
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Dimensions in mm	: 305 x 303 x 280 (w x d x h)
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Weight	: 6 kg
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\* May be altered without notice.